

Product datasheet

Anti-IGF1 antibody ab63926

★★★★☆ [5 Abreviews](#) [7 References](#) [1 Image](#)

Overview

Product name	Anti-IGF1 antibody
Description	Rabbit polyclonal to IGF1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Recombinant fragment
Immunogen	Recombinant murine IGF1
General notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 5120R IGF-I Antibody. 5120R-100 is the same size as the 100 µg size of ab63926.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Thimerosal (merthiolate) Constituents: PBS, 30% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab63926 in the following tested applications.

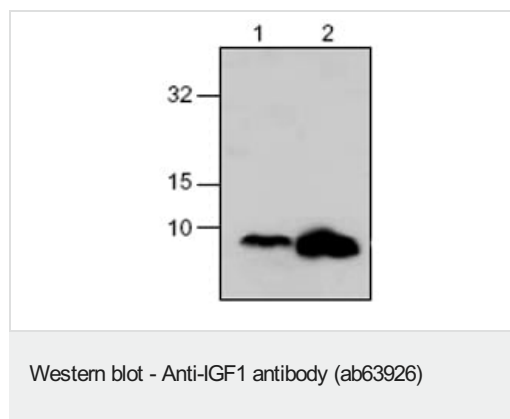
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆ (5)	Use a concentration of 0.5 - 4 µg/ml. Detects a band of approximately 9 kDa (predicted molecular weight: 17 kDa).

Target

Function	The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity. May be a physiological regulator of [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblasts. Stimulates glucose transport in rat bone-derived osteoblastic (PyMS) cells and is effective at much lower concentrations than insulin, not only regarding glycogen and DNA synthesis but also with regard to enhancing glucose uptake.
Involvement in disease	Defects in IGF1 are the cause of insulin-like growth factor I deficiency (IGF1 deficiency) [MIM:608747]. IGF1 deficiency is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness and mental retardation.
Sequence similarities	Belongs to the insulin family.
Cellular localization	Secreted.
Form	There are 2 isoforms produced by alternative splicing. Isoform 1 also known as: IGF-IB; Isoform 2 also known as: IGF-IA.

Images



All lanes : Anti-IGF1 antibody (ab63926) at 4 µg/ml

Lane 1 : Recombinant murine IGF1 at 0.25 µg

Lane 2 : Recombinant murine IGF1 at 1 µg

Predicted band size: 17 kDa

Observed band size: 9 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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